

Sub
C
P
D
10. (New) A thermal barrier coating as recited in claim 9, wherein said dense vertically cracked ceramic layer is about 5-100 mils thick.

11. (New) A thermal barrier coating as recited in claim 9, wherein said bond coating consists of a diffusion aluminide or platinum aluminide that forms an oxidation-resistant intermetallic.

12. (New) The thermal barrier coating system as recited in claim 9, wherein said Zirconia is partially stabilized by Yttria.
